MoviSight

MS7520-F233-FBIR

2.0MP Explosion-Proof HD 20x Network IR PTZ Camera

Features

Excellent Image Quality
- 2.0 Megapixel 1/2.8" progressive scan CMOS sensor
- High definition and smooth picture, 1080p@60fps
- H.265 video codec, saves up to 50% bandwidth and storage
- Ultra low illumination, 0.003lux with color picture
- 120dB Ultra WDR
- HLC / 3D noise reduction

Intelligent Functions
- Motion detection / Tampering / Guard line / Enter guard area / Exit guard area / Object left / Object removal / Gathering

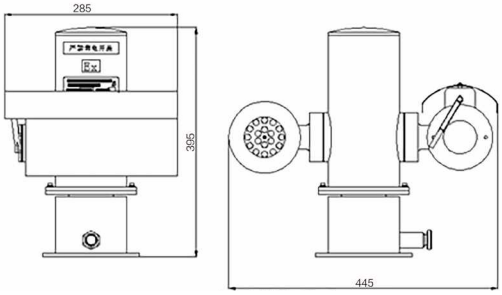
Large Scale
- 33x optical zoom
- IR distance up to 220m

Explosion-Proof
- Stainless steel enclosure with explosion-proof of Exd□CT6 / DIP A20 TA,T6
- Withstands operation temperatures of -40°C ~ 70°C
- IP68, TVS 6000V lightning protection, surge protection and voltage transient protection

Abundant Functions and Features
- SD card optional, supports Automatic Network Replenishment (ANR)
- Up to 3 Multi-stream

Dimensions

Units: mm



Specifications

	MS7520-F233-FBIR
Camera	
Image Sensor	1/2.8" progressive scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.003lux @ (F1.6, AGC ON) B/W: 0.0003lux @ (F1.6, AGC ON)
Shutter Speed	1 ~ 1/30,000s
Day / Night	Auto (ICR) / Color / B/W
Wide Dynamic Range	Ultra WDR, >=120dB
S/N Ratio	>55dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / WDR / BLC / HLC
Lens	
Focal Length	4.5 ~ 148.5mm, 33x optical
Zoom Speed	Approx 3s (Optical)
Angle of View	67.8°~ 2.34° (Wide~Tele)
Min. Object Distance	100 ~ 1000mm (Wide~Tele)
Max. Aperture Ratio	F1.5 (Wide) / F4.4 (Tele)
Focus Control	Auto / Manual / Semi-Automatic
Infrared	
IR LED	IR LED Array
IR Distance	180 ~ 220m
IR Intensity	Automatically adjust according to zoom ratio
Pan and Tilt	
Pan / Tilt Range	360° Endless / -90° ~ 90°
Pan / Tilt Speed	Pan manual speed: 1° ~ 40°/s; Pan preset speed: 40°/s Tilt manual speed: 0.1° ~ 40°/s; Tilt preset speed: 40°/s
Proportional Zoom	Pan / Tilt speed can be adjusted automatically according to zoom multiples
Preset	256
Patrol	8 Patrols scheme, up to 32 presets per patrol
Pattern Scan	4 Scan paths, each path can record 10 minutes of operation path
Power-off Memory	Power-off memory / Power-on recovery
Auto Guard	Path / Preset / Mixed / Pan scan / Tilt scan / Frame scan / Random scan / Panorama scan
PT Limit	Manual / Scan / Pan
3D Positioning	PTZ control with mouse click and drag
Video	
Compression	H.265 / H.264 / MJPEG
Image Resolution	Main stream: 1080p Secondary stream: D1
Frame Rate	Main stream: 1080p@60fps Secondary stream: D1@30fps
Bitrate	32kbps ~ 16Mbps
Bitrate Control	VBR / CBR
Multi-stream	Supported
Caption	Date and time / Alarm / Direction / Customized
Privacy Masking	Up to 4 zones
Motion Detection	Up to 4 zones
Video Freeze	Supported
ROI	Supported
Digital Noise Reduction	3D noise reduction
Digital Defog	Supported
Image Flip	Flip / Mirror
Network	
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)
User Interface	IPC Control (IE, Firefox, Chrome)
Max. User Access	Max. 10 Users (includes 2 internal)
Application Programming	ONVIF (Profile S, Profile G), GB/T 28181-2011, API, CGI
Automatic Network Replenishment (ANR)	Supported
Alarm	
Alarm Triggers	Network disconnect / Disk full / Disk error
Intelligent	Motion detection / Tampering / Guard line / Enter guard area / Exit guard area / Object left / Object removal / Gathering
Alarm Events	Alarm report / Recording / Text overlay / Snapshot / Email notice
Interfaces	
Ethernet	10/100M, RJ45 interface
Memory Slot	Built-in SD card (optional), supports up to 128GB
Environmental	
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 95%
Protection Level	IP68, TVS 6000V lightning protection, surge protection and voltage transient protection
Explosion-proof mark	Exdr Ⅱ CT6 / DIP A20 TA,T6
Electrical	
Power	24V AC / 3A (Power adapter included)
Power Consumption	Max. 55W (IR on)
Mechanical	
Weight	11 kg / 24.25lb (Gross Weight)
Dimensions	285 × 395 × 445mm / 11.2" x 15.55" x 17.52"
Mounting Bracket	Bracket included